

What is claimed is:

1. A method for producing a heterologous protein which comprises culturing a coryneform bacterium having a genetic expression construct wherein a nucleic acid sequence encoding a signal peptide region derived from a coryneform bacterium is connected to the downstream of a promoter sequence which functions in a coryneform bacterium and a nucleic acid sequence encoding a heterologous protein is connected to the downstream of said nucleic acid sequence encoding said signal peptide region, said coryneform bacterium being a mutant coryneform bacterium having a capacity of secreting the heterologous protein at least 2-fold higher than the wild type *Corynebacterium glutamicum* ATCC13869, allowing said coryneform bacterium to produce said heterologous protein and recovering said produced heterologous protein.
2. The method of claim 1, wherein the mutant coryneform bacterium is *Corynebacterium glutamicum* AJ12036 (FERM BP-734) or a mutant thereof.
3. The method of claim 1, wherein the mutant coryneform bacterium is a mutant strain which does not produce a cell surface protein and which is derived from *Corynebacterium glutamicum* AJ12036 (FERM BP-734)
4. The method of any one of claim 1, wherein the signal peptide is a signal peptide of a cell surface protein from a coryneform bacterium.
5. The method of any one of claim 1, wherein the signal peptide is a signal peptide of a cell surface protein from *Corynebacterium glutamicum* .
6. The method of claim 5, wherein the signal peptide has the amino acid sequence of SEQ ID NO:1 or SEQ ID NO:2.

7. The method of any one of claim 1, wherein the signal peptide is a signal peptide of a cell surface protein derived from *Corynebacterium ammoniagenes*.

8. The method of claim 7, wherein the signal peptide has the amino acid sequence of SEQ ID NO:7.

9. The method of claim 5, wherein the signal peptide has a sequence having at least one replacement, deletion, addition, insertion of amino acid or a combination thereof in the amino acid sequence of SEQ ID NO:1 to SEQ ID NO:3.

10. The method of any one of claim 1, wherein the culture of the mutant coryneform bacterium is conducted in a medium containing 0.25 g/l (2.25mM) or more of calcium ion.

11. The method of any one of claim 1, wherein the culture of the mutant coryneform bacterium is conducted controlling the dissolved oxygen concentration at 3% or less.